# SQL Internship - Task 2: Data Analysis with Complex Queries

This report presents complex SQL queries using window functions, subqueries, and CTEs to analyze sales data.

## 1. Total Sales by Customer (Window Function)

SELECT CustomerName, SUM(Amount) OVER (PARTITION BY CustomerName) AS TotalSales FROM Sales;

## 2. Customers with Above-Average Sales (Subquery)

SELECT \* FROM Sales WHERE Amount > (SELECT AVG(Amount) FROM Sales);

## 3. Latest Sale per Customer (CTE)

WITH LatestSales AS (SELECT \*, ROW\_NUMBER() OVER (PARTITION BY CustomerName ORDER BY SaleDate DESC) AS rn FROM Sales) SELECT \* FROM LatestSales WHERE rn = 1;

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